

APPENDIX I

LABORATORY ANALYTICAL DATA



9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.
1805 Atlantic Avenue
Manasquan NJ 08736

Report Date: 6/22/2016
Report No.: 512198 - Lead Water
Project: Warren Campus
Project No.: 14BR141U

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5957319 Location: Kitchen DW Sink FD, 6-11-16 Result(ppb): 8.1
Client No.: WC-10A

Lab No.: 5957320 Location: Kitchen DW Sink FL, 6-11-16 Result(ppb): 4.9
Client No.: WC-10B

Lab No.: 5957321 Location: Lobby Bath Sink FD, 6-11-16 Result(ppb): 2.8
Client No.: WC-11A

Lab No.: 5957322 Location: Lobby Bath Sink FL, 6-11-16 Result(ppb): <2.0
Client No.: WC-11B

Lab No.: 5957323 Location: Principal Bath FD, 6-11-16 Result(ppb): 9.6
Client No.: WC-12A

Lab No.: 5957324 Location: Principal Bath FL, 6-11-16 Result(ppb): <2.0
Client No.: WC-12B


Lab No.: 5957325 Location: 107 Bath 1 FD, 6-11-16 Result(ppb): 4.0
Client No.: WC-13A

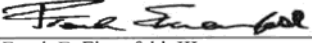
Lab No.: 5957326 Location: 107 Bath 1 FL, 6-11-16 Result(ppb): <2.0
Client No.: WC-13B

Lab No.: 5957327 Location: 108 Bath 1 FD, 6-11-16 Result(ppb): 19
Client No.: WC-14A

Lab No.: 5957328 Location: 108 Bath 1 FL, 6-11-16 Result(ppb): 2.0
Client No.: WC-14B

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/15/2016
Date Analyzed: 6/22/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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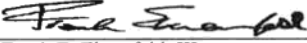
Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5957329 Client No.: WC-15A	Location: 115 Sink FD, 6-11-16	Result(ppb): 13
Lab No.: 5957330 Client No.: WC-15B	Location: 115 Sink FL, 6-11-16	Result(ppb): <2.0
Lab No.: 5957331 Client No.: WC-16A	Location: 115 Bath 1 FD, 6-11-16	Result(ppb): 9.6
Lab No.: 5957332 Client No.: WC-16B	Location: 115 Bath 1 FL, 6-11-16	Result(ppb): <2.0
Lab No.: 5957333 Client No.: WC-17A	Location: 115 Bath 2 FD, 6-11-16	Result(ppb): 78
Lab No.: 5957334 Client No.: WC-17B	Location: 115 Bath 2 FL, 6-11-16	Result(ppb): 6.2
Lab No.: 5957335 Client No.: WC-18A	Location: 112 Bath 1 FD, 6-11-16	Result(ppb): 17
Lab No.: 5957336 Client No.: WC-18B	Location: 112 Bath 1 FL, 6-11-16	Result(ppb): <2.0
Lab No.: 5957337 Client No.: WC-19A	Location: 112 Bath 2 FD, 6-11-16	Result(ppb): 30
Lab No.: 5957338 Client No.: WC-19B	Location: 112 Bath 2 FL, 6-11-16	Result(ppb): 2.9

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/15/2016
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Signature: 
Analyst: Chad Shaffer

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Report No.: 512198 - Lead Water
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Project No.: 14BR141U

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5957339 Location: 111 Bath 1 FD, 6-11-16 Result(ppb): 8.9
Client No.: WC-20A

Lab No.: 5957340 Location: 111 Bath 1 FL, 6-11-16 Result(ppb): <2.0
Client No.: WC-20B

Lab No.: 5957341 Location: 111 Sink FD, 6-11-16 Result(ppb): 4.6
Client No.: WC-21A

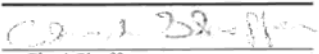
Lab No.: 5957342 Location: 111 Sink FL, 6-11-16 Result(ppb): <2.0
Client No.: WC-21B


Lab No.: 5957343 Location: Outdoor Bath FD, 6-11-16 Result(ppb): 20
Client No.: WC-22A

Lab No.: 5957344 Location: Outdoor Bath FL, 6-11-16 Result(ppb): 2.9
Client No.: WC-22B

Lab No.: 5957345 Location: Field Blank, 6-11-16 Result(ppb): <2.0
Client No.: WC-23

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/15/2016
Date Analyzed: 6/22/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
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Report Date: 6/22/2016
Report No.: 512198 - Lead Water
Project: Warren Campus
Project No.: 14BR141U

Client: BRI493

Appendix to Analytical Report:

Customer Contact: Jason Hooper

Analysis: AAS-GF - ASTM D3559-08D, USEPA 40CFR 141.11B, 2010

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: cdavis@iatl.com

iATL Account Representative: Pete Lesniak

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Water

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:

- ASTM D3559-08D, USEPA 40CFR 141.11B, 2010

- USEPA 200.9Pb, AAS-GF, RL <2 ppb/sample

- USEPA SW 846-7000B.7421 - Pb(AAS-GF, RL <2 ppb/sample)

Certification:

- NYS-DOH No. 11021

- NJDEP No. 03863

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 2.0 PPB

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

Contact Information

Client Company: Brunswick
Office Address: 1805 Atlantic Ave
City, State, Zip: Marvin NJ 08736
Fax Number: _____
Email Address: Hazmat Group

Project Number: 14321410
Project Name: Warren Campus
Primary Contact: Chris Glawacki
Office Phone: _____
Cell Phone: 848-448-3126

Matrix:

Air ☐ Soil ☐ Bulk ☐ Other ☐
Water ☒ Paint ☐ Surface Dust / Wipe ☐

Analysis Method:

☐ PCM: NIOSH 7400
☐ PCM: OSHA
☐ PCM: TWA

☐ Total Dust: NIOSH 0500
☐ Total Dust: NIOSH 0600

☐ AAS: Lead in Air
☒ AAS: Lead in Water
☐ AAS: Lead in Paint
☐ AAS: Lead Dust/Wipe
☐ AAS: Lead in Soil
☐ AAS: TCLP
☐ AAS: Metals [Cd, Zn, Cr-circle]

PLM Use Bulk Asbestos Sample Log

☐ PLM: Bulk Asbestos EPA 600
☐ PLM: Point Counting 198.1
☐ PLM: NOB via 198.6 (PLM only)
☐ If <1% by PLM, to TEM via 198.4

IAQ Use Mold Sample Log

☐ IAQ: I Bioaerosol Fungal Spore Trap
☐ IAQ: II Bioaerosol Fungal Spore
☐ IAQ: Tape, Bulk, Misc. Qualitative
☐ IAQ: Tape, Bulk, Misc. Quantitative
☐ IAQ: Other Culturable ID₂

☐ TEM: AHERA
☐ TEM: NIOSH 7402
☐ TEM: ISO 10312
☐ TEM: ISO 13794
☐ TEM: Wipe ASTM 6480
☐ TEM: Microvac ASTM D5755
☐ TEM: Microvac ASTM D5756
☐ TEM: NOB 198.4
☐ TEM: Bulk Analysis
☐ TEM: Potable Water
☐ TEM: Non-Potable Water
☐ TEM: Other
☐ Soil: Call for Available Methods

1- Requires ASTM acceptable material 2- Call to confirm TAT 3- Non-culturable 4- With Non-fungal Microscopic Exam

Special Instructions:

Turnaround Time

Preliminary Results Requested Date: _____ ☐ Verbal ☒ Email ☐ Fax

Specific date / time

☐ 10 Day ☒ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Shipping Method

☒ FedEx

☐ UPS

☐ USPS

☐ Other

Chain of Custody

Relinquished (Name/Organization): Chris Glawacki
Received (Name / iATL): _____
Sample Login (Name / iATL): _____
Analyst (Name(s) / iATL): 6/22/16 ML
QA/QC Review (Name / iATL): _____
Archived / Released: _____ QA/QC InterLAB Use: _____

Date: 6/17/2016
Date: 6/17/16
Date: 6/17/16
Date: _____
Date: _____

Time: 1:15 PM
Time: _____
Time: _____
Time: _____
Time: _____

Celebrating 25 years...one sample at a time
www.iatl.com

iATL - 56



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
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Sample Log

-Environmental Lead-

Client: Brukerhoff Project: Warren Campus

Sampling Date/Time: 6/11/2016

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
WC-10A	5957319	Kitchen Dw sink FD			0815	250mL	
WC-10B	5957320	↓ FL			0815		
WC-11A	5957321	Lobby Bath Sink FD			0821		
WC-11B	5957322	↓ FL			0821		
WC-12A	5957323	Principal Bath FD			0828		
WC-12B	5957324	↓ FL			0828		
WC-13A	5957325	107 Bath 1 FD			0832		
WC-13B	5957326	↓ FL			0832		
WC-14A	5957327	108 Bath 1 FD			0837		
WC-14B	5957328	↓ FL			0837		
WC-15A	5957329	115 Sink FD			0846		
WC-15B	5957330	↓ FL			0846		
WC-16A	5957331	115 Bath 1 FD			0852		
WC-16B	5957332	↓ FL			0852		

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

Celebrating 25 years...one sample at a time
www.iatl.com

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES
Submit Form

Sample Log

—Environmental Lead—

Client: Brinkhoff Project: Warren Campus

Sampling Date/Time: 6/11/2016

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
WC-17A	5957333	115 Bath 2 FD			0856	250 mL	
WC-17B	5957334	↓ FL			0856		
WC-18A	5957335	112 Bath 1 FD			0901		
WC-18B	5957336	↓ FL			0901		
WC-19A	5957337	112 Bath 2 FD			0904		
WC-19B	5957338	↓ FL			0904		
WC-20A	5957339	111 Bath 1 FD			0909		
WC-20B	5957340	↓ FL			0909		
WC-21A	5957341	Sink 111 Bath 2 FD			0913		
WC-21B	5957342	↓ FL			0913		
WC-22A	5957343	Outdoor Bath FD			0916		
WC-22B	5957344	↓ FL			0916		
WC-23A	5957345	Field Blank					
WC-23B							
Acidified VC 6/21/16 8:41 PM							↓

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

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